Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/26/2019 09:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124849	-1	1.84	124842	1.87
Blue	F	SSC	125000	124157	-1	1.52	124972	1.51
Blue	E	FITC	16122	15705	-3	2.88	344	19.59
Blue	D	PE	29316	28659	-3	2.14	626	14.36
Blue	B	PerCP-Cy5-5	42590	42161	-2	3.73	1130	20.10
Blue	A	PE-Cy7	33146	33145	-1	6.27	631	40.99
Red	C	APC	45473	44746	-2	2.55	1585	12.09
Red	A	APC-Cy7	31961	30836	-4	2.53	815	11.97
Violet	B	V450	7914	7543	-5	4.32	423	13.12
Violet	A	V500	29769	28464	-5	4.03	662	10.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20681	3.21	608	8	N/A	N/A	Pass
Blue	F	SSC	56369	1.22	551	13	N/A	N/A	Pass
Blue	E	FITC	62	65.09	540	3	0.0217	196	Pass
Blue	D	PE	130	51.72	542	5	0.2043	411	Pass
Blue	B	PerCP-Cy5-5	206	49.06	649	11	0.0093	45	Pass
Blue	A	PE-Cy7	116	102.05	702	11	0.0109	17	Pass
Red	C	APC	378	25.34	584	5	0.0248	171	Pass
Red	A	APC-Cy7	179	28.66	560	4	0.0056	942	Pass
Violet	B	V450	65	59.30	463	3	0.0535	2214	Pass
Violet	A	V500	99	33.28	475	3	0.0214	609	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/26/2019 09:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.92	-31.59	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.08	13.60 - 20.40	N/A	N/A	29.36	29.61	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10051

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments